

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological and seismological work and studies:

Abbot, C. G., and Aldrich, L. B.

The pyranometer—an instrument for measuring sky radiation. Washington. 1916. 2 p. l., 9 p. Tables, diagrs. 24½ cm. (Smithsonian miscellaneous collections. vol. 60, no. 7.)

Abbot, C. G., Fowle, F. E., and Aldrich, L. B.

On the distribution of radiation over the sun's disk and new evidences of the solar variability. Washington. 1916. 4 p. l., 24 p. tables, diagrs., plate. 24½ cm. (Smithsonian miscellaneous collections. vol. 66, no. 5.)

Annuaire astronomique et météorologique.

52^e année, 1916. Par Camille Flammarion. Paris. n. d. 431 p. 18½ cm.

Annuario scientifico ed industriale.

Anno 52, 1916. Milano. 1916. 4 p. l., 509 p. tables, diagrs. 19½ cm.

Bouyoucos, G. J.

Soil temperature. East Lansing. 1916. cover-title, 133 p. tables. 23½ cm. (Michigan agricultural college experiment station. Division of soils. Technical bulletin. no. 26.)

British association for the advancement of science.

Report of the 85th meeting, Manchester. 1915. London. 1916. Ixviii, 840, 103 p. plates, tables, diagrs. 22 cm.

Carpenter, F. A.

Clouds of California. May-Day address, Occidental college. 2d ed. Fort Leavenworth. 1916. 18 p. 24 cm.

Denmark. Meteorologiske institut.

Meteorologisk aarbog. 1st del: Kongeriget Danmark, 1914. Kjøbenhavn. 1916. xii, 1 lf., 75 p. tables. 31 cm.

Frear, William.

Climatology of State College, Pa. Precipitation (rain or snow), 1880-1913. (In Annual report of the Pennsylvania State college, 1913-1914. Harrisburg. Pt. 2, p. 233-347. 23½ cm.)

Hopkinson, John.

The climate of Hertfordshire, deduced from meteorological observations for 25 years and rainfall observations for 70 years. n. p. 1913. p. 195-206. tables, diagr. 21½ cm. (Reprinted from the Transactions of the Hertfordshire natural history society. vol. 15, part 4. Jan., 1915.)

Livingston, B. E.

A single index to represent both moisture and temperature conditions as related to plants. Baltimore. 1916. cover-title, p. 421-440. tables, diagr. 26½ cm. (Physiological researches. vol. 1, no. 9.)

Longstreth, T. M.

Reading the weather. New York. 1915. 5 p. l., iv, 11-195 p. front. plates. 18 cm. (Outing handbooks, no. 43.)

Mexico. Instituto geológico.

Catálogos de los seísmos registrados durante el año 1912 en la Estación seismológica central, Tacubaya; en las Estaciones seismológicas de primer orden de Mérida, Yuc. y de Zacatecas y en las de segundo orden de Oaxaca y de Mazatlán, Sin. Catálogo de los macroseísmos sentidos en la República mexicana, 1912. Mexico. 1914. p. 229-349 incl. tables. 23 cm. (Mexico, Inst. geol. Parergones. vol. 5, nos. 6-8.)

Mexico. Instituto geológico.

Catálogos de los movimientos registrados durante el año 1911 en las estaciones seismológicas de Mérida, Yucatán, Mazatlán, Sinaloa y Coahuila. Catálogo de los macroseísmos sentidos en la República mexicana, 1911. Mexico. 1913. 79 p. incl. tables. 23 cm. (Mexico. Inst. geol. Parergones. vol. 5, nos. 1-3.)

Norris, F. E.

Third annual report of the seismograph station at Hill View, Woodbridge Hill, Guildford, England. Guildford. 1913. n. p. tables. 31 cm.

Pierce, W. D.

A new interpretation of the relationships of temperature and humidity to insect development. Washington. 1916. p. 1183-1191. tables, diagrs. 26 cm. (Reprint from the Journal of agricultural research. vol. 5, no. 25. March 20, 1916.)

Quayle, E. T.

A graphical method of showing the daily weather, and especially cloud types. Melbourne. [1916.] 2 p. l., 6 p. incl. diagrs. 31 cm. (Australia. Commonwealth bureau of meteorology. Bulletin no. 12.)

Southport, Fernley observatory.

Report and results of observations for the year 1915. Southport. 1916. 28 p. incl. tables. 24½ cm.

Taylor, Griffith.

The climatic control of Australian production. (An attempt to gauge the potential wealth of the commonwealth.) Melbourne. [1916.] 32 p. 43 diagrs. 31 cm.

Terada, T., Yokota, T., and Otuki, S.

On the distribution of cyclonic precipitation in Japan. Tokyo. 1916. 32 p. tables, diagrs. 26 cm. (Journal of the College of science, Tokyo imperial university. vol. 37, article 4.) [See abstract by Terada in this REVIEW, March, 1916, p. 127.]

Wicks, Moye.

Deforestation and reforestation as affecting climate, rain, and production. Austin. [1915.] 11 p. 22½ cm. (Texas. Dept. of agriculture. Bulletin, n. s. no. 17.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American journal of science. New Haven. v. 41. June, 1916.

Very, Frank W. Fundamental distinctions special to the process of transmission of terrestrial radiation by the atmosphere, and the value which is obtained for the coefficient of transmission when these are considered. p. 513-521.

Astronomical society of the Pacific. Publications. San Francisco. v. 28. April, 1916.

Tucker, R. H. The diurnal variation of the refraction. p. 69-73.

British association for the advancement of science. Report. 85th meeting. Manchester. 1915. London. 1916.

Masson, Orme, & others. The influence of weather conditions upon the amounts of nitrogen acids in the rainfall and atmosphere in Australia. p. 87-94.

Whipple, F. J. W. The mechanism of cyclones. p. 367. [Abstract.]

British astronomical association. Journal. London. v. 26. March, 1916.

Backhouse, T. W. Atmospheric absorption. p. 231-237.

Japan. Imperial earthquake investigation committee. Bulletin. Tokyo. v. 8. no. 2. April, 1916.

Omori, Fūsakichi. The Sakura-jima eruptions and earthquakes. II. On the sound and ash-precipitation areas of, and on the level changes caused by, the eruptions of 1914, with historical sketches of earlier Sakura-jima outbursts. p. 35-179.

Journal of geography. Madison. v. 14. June, 1916.

Ward, Robert DeCourcey. The weather factor in the great war. IV. October, 1915-February, 1916. p. 373-384.

Science. New York. v. 43. June 16, 1916.

McAdie, Alexander [G]. Thermometer scales. p. 854-855.

Soil science. New Brunswick, N. J. v. 1. January, 1916.

Lipman, C. B., & Waynick, D. D. A detailed study of effects of climate on important properties of soils. p. 5-48.

Scientific American. New York. v. 114. June 17, 1916.

What is sleet? p. 634. [Compare, this REVIEW, p. 281.]

Terrestrial magnetism and atmospheric electricity. Baltimore. v. 21. June, 1916.

Störmer, Carl. Preliminary report on the results of the aurora-borealis expedition to Bossekop in the spring of 1913. (Fourth communication.) p. 45-56.

Nichols, E. H. Investigations with regard to the effect of the induced charge on the Ebert electrometer at Kew observatory. p. 87-99.

Swann, W. F. G. Reply to E. H. Nichols's article (Investigation with regard to the induced charge on the Ebert electrometer at Kew observatory.) p. 99-102.

Académie des sciences. Comptes rendus. Paris. Tome 162. 5 juin, 1916.

Galitzine, B. Sur la localisation de l'épicentre d'un tremblement de terre d'après les observations d'une seule station sismique. p. 878-880.

Annales de géographie. Paris. 25 année. 15 mars, 1916.

Tian-Chanskii, Semenof. Woeikof (A). p. 150-151. [Obituary. Abstract from Novoe Vremia. See this REVIEW, p. 288.]

Archives des sciences physiques et naturelles. Genève. t. 41. 15 mars, 1916.

Margot, Charles. Modèle simplifié d'hygromètre à condensation. p. 222-225. T

Mercanton, Paul L. Les tirs grêlifuges. p. 257-258.